

ABSTRACT

A method of enhancing performance of liquid-type fuel cells by adding additives to the liquid fuel. For example, hemoglobin, surfactants, oxygen scavengers, and chelating agents, may be added to the fuel to resolve problems such as CO poisoning of catalyst, wettability of electrodes, and electrode poisoning, and therefore enhance the performance of the fuel cell. The additives may be added individually based on needs, or mixed in a desired ratio for a given type of fuel cell. The additives may be used on a regular basis to improve fuel efficiency and prolong the life span of the fuel cells. The additives may also be pre-packed for field use when high quality fuel is not available.

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